

Y6 – Autumn – Block 2 – Addition and Subtraction B – Answers

| Question | Answer | Marks | Notes and guidance |
|----------|--|-------|---|
| 1 | 4,388 | 1 | |
| | 133 | 1 | |
| | 25,428 | 1 | |
| | 77 | 1 | |
| 2 | | 2 | <p>Award 2 marks for all three correctly identified answers.</p> <p>Award 1 mark for two correctly identified answers with no more than one incorrect answer.</p> |
| 3 | <p>Mr Smith's house £513,000</p> <p>Ms Rose's house £325,000 ← £188,000</p> | 2 | <p>Award 2 marks for all three correctly identified answers.</p> <p>Award 1 mark for two correctly identified answers with no more than one incorrect answer.</p> |
| 4 | | 3 | <p>Award 1 mark for each correctly identified answer.</p> |
| 5 | <p style="text-align: center;"> 1 6 8 27 81 </p> | 2 | <p>Award 2 marks for all three correctly identified answers.</p> <p>Award 1 mark for two correctly identified answers with no more than one incorrect answer.</p> |

Y6 – Autumn – Block 2 – Addition and Subtraction B – Answers (continued)

| Question | Answer | Marks | Notes and guidance |
|----------|---|-------|--|
| 6 | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; background-color: #f4a460; margin: 2px;">8</div> <div style="border: 1px solid black; padding: 5px; background-color: #f4a460; margin: 2px;">16</div> <div style="border: 1px solid black; padding: 5px; background-color: #f4a460; margin: 2px;">24 ✓</div> <div style="border: 1px solid black; padding: 5px; background-color: #f4a460; margin: 2px;">36</div> <div style="border: 1px solid black; padding: 5px; background-color: #f4a460; margin: 2px;">96 ✓</div> </div> | 2 | Award 1 mark for each correctly identified answer with no other errors. |
| 7 | 240 | 1 | |
| | 244 | 1 | |
| | 0.6 | 1 | |
| 8 | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; background-color: #fff9c4; margin: 2px;">5^2</div> <div style="border: 1px solid black; padding: 5px; background-color: #fff9c4; margin: 2px;">3^3</div> <div style="border: 1px solid black; padding: 5px; background-color: #fff9c4; margin: 2px;">7^2 ✓</div> </div> | 1 | |
| 9 | | 2 | <p>Award 2 marks for all four answers correctly identified.</p> <p>Award 1 mark for two or three answers correctly identified with no more than one error.</p> |
| 10 | A and C | 1 | Answers can be written in either order. |
| 11 | <p>E.g.</p> <p>“When you divide by 7, the greatest remainder you can have is 6”</p> | 1 | Accept any valid explanation. |
| 12 | 75 full packs 13 pencils left over | 1 | |
| | 23 | 1 | |
| 13 | 3 | 1 | |
| | 171 | 1 | |

Y6 – Autumn – Block 2 – Addition and Subtraction B – Answers (continued)

| Question | Answer | Marks | Notes and guidance | | | | | | | | | |
|---------------------|---|------------|--|----------|---------------|--------|--------|---------------------|------------|------------|---|--|
| 14 | E.g. "No, her number is 9 which has three factors." | 1 | Accept any valid explanation. | | | | | | | | | |
| 15 | <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="background-color: #f4a460;">Even</th> <th>Not even</th> </tr> </thead> <tbody> <tr> <th>Multiple of 9</th> <td>36, 90</td> <td>63, 45</td> </tr> <tr> <th>Not a multiple of 9</th> <td>48, 56, 84</td> <td>75, 19, 25</td> </tr> </tbody> </table> | | Even | Not even | Multiple of 9 | 36, 90 | 63, 45 | Not a multiple of 9 | 48, 56, 84 | 75, 19, 25 | 2 | <p>Award 2 marks for all three answers correctly identified.</p> <p>Award 1 mark for two answers correctly identified with no more than one error.</p> |
| | Even | Not even | | | | | | | | | | |
| Multiple of 9 | 36, 90 | 63, 45 | | | | | | | | | | |
| Not a multiple of 9 | 48, 56, 84 | 75, 19, 25 | | | | | | | | | | |
| 16 | 3,136 | 2 | Award 1 mark for the correct method of long multiplication with no more than one arithmetical error. | | | | | | | | | |
| 17 | Multiple possibilities e.g. <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px;">2</div> <div style="border: 1px solid black; padding: 5px;">8</div> <div style="border: 1px solid black; padding: 5px;">3</div> <div style="font-size: 24px;">×</div> <div style="border: 1px solid black; padding: 5px;">5</div> </div> | 1 | The ones digit must be 3 or 5 | | | | | | | | | |
| 18 | $5 \times (6 - 1)$ $5 \times 6 - 1$ $(5 \times 6) - 1$ | 1 | Accept any clear indication. | | | | | | | | | |
| 19 | 10 | 1 | | | | | | | | | | |
| | 2 | 1 | | | | | | | | | | |
| 20 | 63 kg | 2 | Award 1 mark for attempt to subtract 252 from 567 and then divide by 5 with no more than one arithmetical error. | | | | | | | | | |
| 21 | 116 | 2 | Award 1 mark for a correct method with no more than one arithmetical error. | | | | | | | | | |